1.3.1.7. The inventory of 54 consonant phones discretized from the corpus is charted below. Groups of phones which are in complementary distribution of free variation (and, if in free variation in a given environment, not contrasting elsewhere) — i.e. phones which are allophones of a single phoneme — are grouped within closed ellipses. Consonant phones which are assignable as junctural components are indicated by semicircles open to the right. Complex phones or phone sequences which are the fast-tempo analogs of slow-tempo CV phonetic sequences (structuralized herein as /CV/) are indicated by semicircles opening below.

SUMMARY CHART OF CONSONANT PHONES AND THEIR DISTRIBUTION

1	1+	2	2+	2̣	3	3+	4	4°	5
p	pɸ	t		ṭ		t^y	k		ʔ
pˀ				ṭˀ		$t^{y}{}^{\urcorner}$			
b		d		ḍ		d^y	g		
ꝑ			s		š	$ꝑ^y$	x	x^w	h
ꝓ						$ꝓ^y$	ɡ		
m		n		ṇ		n^y	ŋ		
M		N		Ṇ		N^y	ŋ		
mˀ							ŋˀ	ŋwˀ	
		l		ḷ		l^y			
		ɫ		ɫ̣		$ɫ^y$			
		r̃							
		r̥̃							
		r							
		r̥							
w				R		y			
w̥				R̥		y̥			

1.3.2. Vowel Allophones

1.3.2.0. The high vowels /i u/ are unrounded and rounded respectively, and together oppose in tongue-height the low unrounded /a/. All three short vowels have predominantly lax allophones. Lip movement during phonation is minimal. Vowel allophones correlate partly with the position of the vowel within the word or contour (see under 1.3.3.0.), partly with neighboring consonants. As indicated in 1.3.1.3., vowels occurring in the syllable before silence (or — less commonly — in the penultimate syllable before silence) are potentially voiceless. The high vowels have voiceless allophones in these environments more frequently than does /a/. All vowels have slightly nasalized allophones when adjacent to nasal consonants.

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NYANGUMATA GRAMMAR

by

Geoffrey N. O'Grady

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